



Weapon System Impact Tool

DoD Standardization Conference
March 4, 2007

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Sun, Mar 2, 2008

ASSIST database last updated: Feb 29, 2008

[What's New? \(updated Jan 14, 2008\)](#)

ASSIST

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<https://wsit.xsb.com>

acquisition streamlining and standardization information system



Document Automation and Production Service, Building 4/D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.

If you have any questions, please contact the appropriate ASSIST-Help Desk team:
Account/Password Issues: 215-697-6396 or 215-697-6257 [DSN: 442-6396 or 442-6257]. Questions or comments: [ASSIST Feedback](#).



- Doc Analysis
- Doc Management
- Review Drafts
- DoD Contacts
- DoD Projects
- DIDs
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- WSIT
- User Profile
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- DSP Home Page
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Admin Modules

- User Feedback



Internet



Coherent View



- Advanced software for mining and reasoning about jargon-rich unstructured text
 - Artificial intelligence and parsing techniques to structure legacy data
- Contains data from
 - Federal Logistics Information System (FLIS)
 - Standard Automated Material Management System (SAMMS)
 - Business System Modernization (BSM)
 - And others...
- WSIT automatically structures and combines information from these rich data sources into a coordinated picture of relationships between specifications and weapon systems.



Weapon System Impact Tool

[WHAT'S NEW](#)

Enter a National Stock Number or Specification Document Number or Weapon System Designator Code

(Sample Inputs: 02F (WSDC) or MIL-STD-130L (Specification) or 5340000000057 (National Stock Number))

 **Lookup:** National Stock Number, Specification Document, Weapon System Designator Code

[Help us make WSIT better, click here.](#)

Query History

Today

[None]

Yesterday

[None]

Older

[None]

Advanced search types:

Query by National Stock Number (NSN)

Query by NSN allows the user to view all weapon systems the NSN is used in along with the specification documents that govern the use. The results returned by the query include the specification document number, the weapon system designator code and descriptions for each.

Query by Weapon System Designator Code (WSDC)

Query by WSDC allows the user to view all specifications which govern the parts in the weapon system. The results returned by the query include the specification document number, a description of the specification, and the number of NSNs in the weapon system governed by the specification.

Query by Specification Document Number

This query allows the user to view all the weapon systems affected by a specification. The results returned by the query include the specification document number, a description of the specification, along with the designator code and description for the weapon system. The results returned by the query include the WSDC, a description of the weapon system, and the number of NSNs in the weapon system affected by the specification.

Query by Specification Document Number & Weapon System Designator Code (WSDC)

This query allows the user to view all the NSNs affected by a document in a weapon system. The results returned by the query include the NSN, information about where the relationship. The user also has the opportunity to view the underlying raw data.

Follow the [help link](#) for more examples and documentation.



Example #1

Standardization

- If MIL-PRF-55182H were to be changed or cancelled, what is the impact on the F-15?



Search Criteria

* Weapon System Designator Code (WSDC) 19F

WSDC Lookup

[Click here to add filters](#)

Search WSIT

Cancel

Help

Example #1 - Standardization

If MIL-PRF-55182H were to be changed or cancelled what is overall impact on the F-15?

Answer

MIL-PRF-55182H affects almost 1600 parts on the F-15

Weapon System
Weapons System
Service
Weapons System
Weapon System
Program Manager
Location

Results 1 - 50
5230.24, "Dis

Weapon System

Specification
Number [?]

| | | | |
|---|----------------------|--|-------|
| 1 | ASQC-Z | | |
| 2 | MIL-STD-129P [doc] | MILITARY MARKING FOR SHIPMENT AND STORAGE | 1,818 |
| 3 | MIL-PRF-55182H [doc] | RESISTORS, FIXED, FILM, NONESTABLISHED RELIABILITY, ESTABLISHED RELIABILITY, AND SPACE LEVEL, GENERAL SPECIFICATION FOR | 1,596 |
| 4 | SAE-AMS5737 [doc] | STEEL, CORROSION AND HEAT RESISTANT, BARS, WIRE, FORGINGS, AND TUBING 15CR - 25.5NI - 1.2MO - 2.1TI - 0.006B - 0.30V CONSUMABLE ELECTRODE MELTED, 1650 DEG. F (899 DEG. C) SOLUTION AND PRECIPITATION HEAT TREATED | 1,315 |

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NSN
ences [?] ▲



Example #2



Part obsolescence

- If a manufacturer no longer supplies an o-ring that conforms to MIL-P-25732C, how does that affect my ability to support my weapon system?

Query by Specification Document Number

Search Criteria

* Specification Document Number MIL-P-25732C

[Spec Lookup](#)

Query Filters

[Search WSIT](#) [Cancel](#) [Help](#)

[Weapon Systems \(689\)](#)

[National Stock Numbers \(904\)](#)

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Specification Document Number[?]

MIL-P-25732C

Document Description[?]

PACKING, PREFORMED, PETROLEUM HYDRAULIC FLUID RESISTANT, LIMITED SERVICE AT 275 DEG. F (135 DEG. C)

Document Scope[?]

This specification covers O-ring packings for use with petroleum based hydraulic fluids conforming to MIL-H-5606 and MIL-H-83282 over the temperature range of -65 Deg. to 275 Deg. F (-54 Deg. to 135 Deg. C).

Document Date[?]

2003-08-07 00:00:00.0

FSC Area[?]

Packing and Gasket Materials (5330)

Preparing Activity[?]

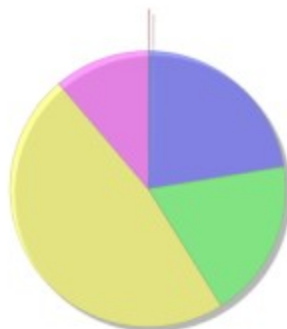
Aeronautical Systems Center (11)

Distribution Code[?]

Approved for public release; distribution is unlimited. (A)

NOTE: More information about this document can be found on the ASSIST website MIL-P-25732C [doc]

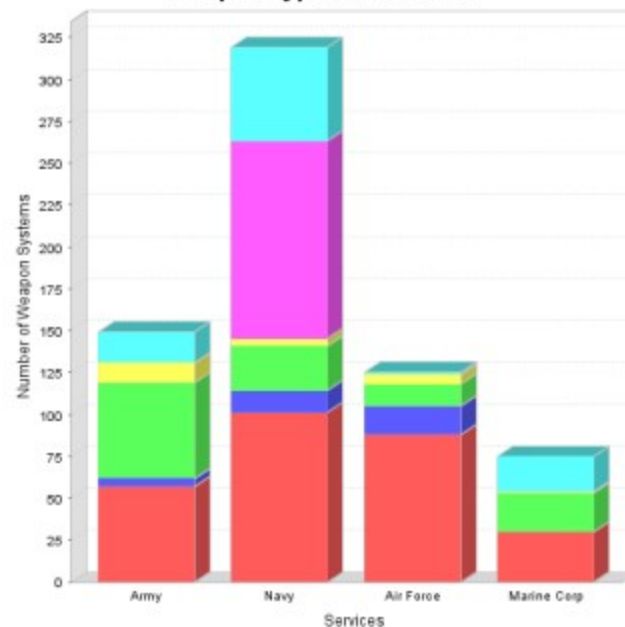
Weapon Systems Per Service



Coast Guard = 1
Army = 149
Air Force = 125
Navy = 319
Marine Corp = 78

[Save Image](#)

Weapon Types Per Service



[Save Image](#)

Query by Specification Document Number

Search Criteria

Specification Document Number MIL-P-25732C [Spec Lookup](#)

Query Filters

[Search WSIT](#) [Cancel](#) [Help](#)

[Weapon Systems \(689\)](#)

[National Stock Numbers \(904\)](#)

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MIL-P-25732C

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Example #2 - Part obsolescence

If a manufacturer no longer supplies an o-ring that conforms to MIL-P-25732C, how does that affect my ability to support my weapon system?

Answer

Parts conforming to MIL-P-25732C are used on 689 different weapon systems

VEHICULAR BRAKE, STEERING, AXLE, WHEEL, AND TRACK COMPONENTS (2530) = 4

MISCELLANEOUS POWER TRANSMISSION EQUIPMENT (3040) = 3

POWER AND HAND PUMPS (4320) = 3

VEHICULAR POWER TRANSMISSION COMPONENTS (2520) = 3

SEAL, NONMETALLIC ROUND SECTION (30873) = 3

VALVE, REGULATING, FLUID PRESSURE (27005) = 3

COUPLING, HALF, QUICK DISCONNECT (18081) = 2

PACKING (77777) = 2

FILTER, FLUID (32022) = 2

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Example #3

Quality/safety

- If, on the F-14, a certain titanium bolt that was tested under MIL-B-87114 fails, what other items on this weapon system were tested using that standard?



Query by Specification and WSDC

Search Criteria

* **Specification Document Number** ☐ [Spec Lookup](#)

* **Weapon System Designator Code (WSDC)** ☐ [WSDC Lookup](#)

Query Filters ☐

Results 1 - 28 of 28

Specifications Document Number : MIL-B-87114 :: BOLTS, RECESS DRIVE, GENERAL SPECIFICATION FOR (S/S BY NAS4002 AND NAS4003) AND Weapon System Designator Code : 10N :: AIRCRAFT, TOMCAT F-14

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| # | National Stock Number (NSN) [?] ▲ ▼ | Item Name (INC) [?] ▲ ▼ | Relationship {RNCC,RNVC} [?] ▲ ▼ |
|----|--|-------------------------------|---|
| 1 | 5305-00-099-7659 [Context] | SCREW,MACHINE (06657) | |
| 2 | 5305-00-139-3223 [Context] | SCREW,MACHINE (06657) | |
| 3 | 5305-00-159-5556 [Context] | SCREW,MACHINE (06657) | |
| 4 | 5305-00-262-0356 [Context] | SCREW,MACHINE (06657) | |
| 5 | 5305-00-288-2457 [Context] | SCREW,CLOSE TOLERANCE (29294) | |
| 6 | 5305-00-316-8123 [Context] | SCREW,MACHINE (06657) | |
| 7 | 5305-00-889-2658 [Context] | SCREW,CAP,SOCKET HEAD (16282) | |
| 8 | 5305-00-917-6278 [Context] | SCREW,CLOSE TOLERANCE (29294) | |
| 9 | 5305-01-010-3680 [Context] | SCREW,MACHINE (06657) | |
| 10 | 5305-01-014-8455 [Context] | SCREW,MACHINE (06657) | |
| 11 | 5305-01-043-1860 [Context] | SCREW,MACHINE (06657) | |
| 12 | 5305-01-057-9328 [Context] | SCREW,CLOSE TOLERANCE (29294) | |
| 13 | 5305-01-063-5060 [Context] | SCREW,CLOSE TOLERANCE (29294) | |
| 14 | 5305-01-076-3163 [Context] | SCREW,CAP,SOCKET HEAD (16282) | |
| 15 | 5305-01-112-1755 [Context] | SCREW,CLOSE TOLERANCE (29294) | |
| 16 | 5305-01-160-1963 [Context] | SCREW,MACHINE (06657) | |
| 17 | 5305-01-168-1756 [Context] | SCREW,CLOSE TOLERANCE (29294) | |
| 18 | 5305-01-180-4758 [Context] | SCREW,CLOSE TOLERANCE (29294) | |
| 19 | 5305-01-193-6860 [Context] | SCREW,CLOSE TOLERANCE (29294) | |
| 20 | 5305-01-194-7061 [Context] | SCREW,CLOSE TOLERANCE (29294) | |
| 21 | 5305-01-313-8057 [Context] | SCREW,MACHINE (06657) | |
| 22 | 5305-01-349-5262 [Context] | SCREW,MACHINE (06657) | |
| 23 | 5305-01-360-9161 [Context] | SCREW,CLOSE TOLERANCE (29294) | |
| 24 | 5305-01-360-9163 [Context] | SCREW,CLOSE TOLERANCE (29294) | |
| 25 | 5305-01-365-0863 [Context] | SCREW,MACHINE (06657) | |
| 26 | 5305-01-374-9825 [Context] | SCREW,CLOSE TOLERANCE (29294) | {4,1} A non-definitive R/N developed from a government specification or standard which is not item identifying. |
| 27 | 5305-01-374-9918 [Context] | SCREW,MACHINE (06657) | {4,1} A non-definitive R/N developed from a government specification or standard which is not item identifying. |
| 28 | 5305-01-416-5258 [Context] | SCREW,CLOSE TOLERANCE (29294) | |

This the **controlling specification** for the specified National Stock Number (NSN).

This specification has a **registered relationship** with the specified National Stock Number (NSN).



Source Context

Weapon System Impact Tool

SAVE

| | | |
|---|---------------|---|
| National Stock Number (NSN) | 5305010103680 | SCREW,MACHINE |
| Specification Document Number | MIL-B-87114 | BOLTS, RECESS DRIVE, GENERAL SPECIFICATION FOR (S/S BY NAS4002 AND NAS4003) |
| Weapon System Designator Code (WSDC) | 10N | AIRCRAFT, TOMCAT F-14 |

Specification Document Number Context

This specification was found by doing a text scan. The source information was found in **the CTDF Procurement Identification Description [?]**, and is maintained **in the Contract Technical Data File (CTDF) [?]** at Defense Industrial Supply Center .

Line Text [?]

SCREW, MACHINE
 CRES, PASSIVATED
 QUALITY CONFORMANCE SHALL BE I/A/W
 MIL-B-87114 EXCEPT AS NOTED ON THE
 AIA (NAS) STANDARD

Weapon System Context

This weapon system was found using a lookup query. The source information was found in **the BSM Weapon Systems table [?]**, and is maintained **in the Business Modernization System (BSM) [?]** .

This weapon system was found using a lookup query. The source information was found in **the CTDF Weapon Systems table [?]**, and is maintained **in the Contract Technical Data File (CTDF) [?]** at Defense Industrial Supply Center .

Query by National Stock Number

Search Criteria

* National Stock Number (NSN) 5305010103680

[NSN Lookup](#)

Query Filters

Search WSIT

Cancel

Help

Specifications (13)

Weapon Systems (9)

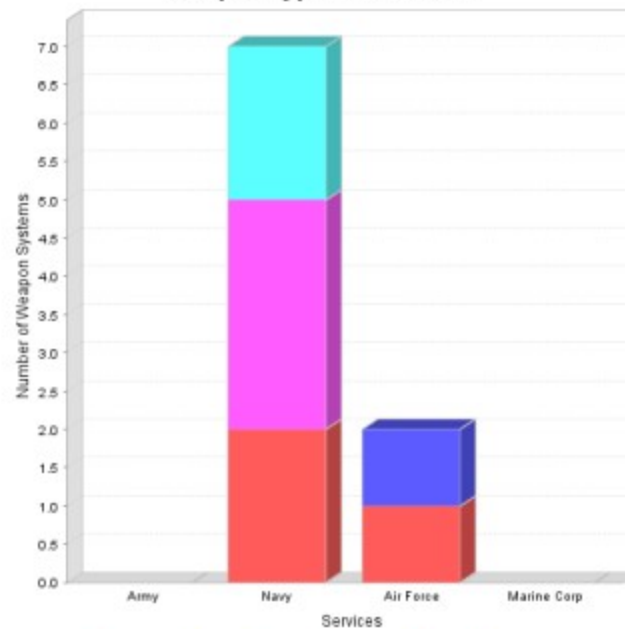
Specifications & Weapon System (135)

Procurement History (6)

Download Report

| | |
|------------------------------------|--|
| National Stock Number (NSN)[?] | 5305-01-010-3680 |
| Item Name | SCREW,MACHINE (06657) |
| Center[?] | Defense Industrial Supply Center (I) |
| Status[?] | Item is active. File data coded KFD is forwarded, if this KFD data represents your item of supply, submit, if applicable, an LAD, LAU, or LCU transaction. Otherwise, use the National Stock Number (NSN) in your supply system. (0) |
| Annual Demand Quantity[?] | 550 |
| Annual Demand Frequency[?] | 3 |
| Weapon System Group Code (WSGC)[?] | Unknown |
| Weapon System ESSEN Code[?] | Unknown |
| Flight Safety Indicator[?] | Unknown |
| First Article Testing Indicator[?] | N |
| Qualified Product List Code[?] | |

Weapon Types Per Service



AIRCRAFT ENGINES LAND MISSILES SHIPS UNKNOWN

Save Image



Questions?